To: Warner, Sue[Warner.Sue@epa.gov]
Cc: Caporale, Cynthia[Caporale.Cynthia@epa.gov]; Swertfeger, Jeff[Jeff.Swertfeger@gcww.cincinnati-oh.gov]; Whitteberry, Bruce[Bruce.Whitteberry@gcww.cincinnati-oh.gov]; Selar, Niranjan[Niranjan.Selar@gcww.cincinnati-oh.gov]
From: Fromme, Bill
Sent: Mon 3/31/2014 5:18:22 PM
Subject: RE: Charleston, WV Drinking Water Samples- TIC Reports and Possible Degradation Products
Spill_TIC_send_033114.pdf
Spill_TIC_Upriver_send_033114.pdf
Spill_TIC_Tank_Std_send_033114.pdf
Spill_TIC_Fisher_Std_send_033114.pdf

Hi Sue,

I have attached four pdfs:

1) There are two chromatograms in the first attached pdf (Spill_TIC_send_033114).

I have summarized them in the Table below.

TIC Name	Location Description	Collection Date & Time	Acq on (Analysis Date)
Beckjord-0815	Ohio River (app 10 miles upriver of Intake)	01/15/2014 @08:15 AM	15-Jan-2014
BECK-0815-01152014	Ohio River (app 10 miles upriver of Intake). Duplicate of sample Beckjord-0815	01/15/2014 @08:15 AM	17-Jan-2014

The samples were collected on Jan 15th in duplicate from the Beckjord Power Station (which is located approximately 10 miles upstream of our Intake)

We used Method 524.3.

Each chromatogram shows three peaks from Internal Standards and three peaks from Surrogates.

The peaks from the 4-Methylcyclohexane Methanol are marked in yellow on the chromatogram.

We were unsure of the effect of a preservative on this compound and consequently did not use any when

the samples were collected.

The sample named BECK-0815-01152014 is a duplicate of the sample named Beckjord-0815.

The sample named Beckjord-0815 was analyzed on Jan 15th.

The duplicate sample named BECK-0815-01152014 was analyzed on Jan 17th.

The 4-Methylcyclohexane Methanol was not detected in the duplicate sample after 2 days without preservative.

2) The second pdf (Spill_TIC_Upriver_send_033114) are two chromatograms of samples that came from upriver and are at a higher concentration. They were not collected by GCWW. I do not have any additional information on them at this time.

3) The third pdf (Spill_Tank_Std_send_033114) is a standard we made from material that was taken out of the tank that leaked.

4) The fourth pdf (Spill_TIC_Fisher_Std_send_033114) is a standard we made from compound we obtained through Fisher Scientific.

Thanks!

From: Warner, Sue [mailto:Warner.Sue@epa.gov]
Sent: Friday, March 28, 2014 3:32 PM
To: Fromme, Bill
Cc: Caporale, Cynthia
Subject: RE: Charleston, WV Drinking Water Samples- TIC Reports and Possible Degradation Products

Thank you very much.

From: Fromme, Bill [mailto:Bill.Fromme@gcww.cincinnati-oh.gov]
Sent: Friday, March 28, 2014 3:31 PM
To: Warner, Sue
Cc: Caporale, Cynthia
Subject: RE: Charleston, WV Drinking Water Samples- TIC Reports and Possible Degradation Products

Hi Sue,

We will send chromatograms Monday.

Thanks!

From: Warner, Sue [mailto:Warner.Sue@epa.gov]
Sent: Friday, March 28, 2014 1:17 PM
To: Fromme, Bill
Cc: Caporale, Cynthia
Subject: FW: Charleston, WV Drinking Water Samples- TIC Reports and Possible Degradation Products

Mr. Fromme,

Below is the message I sent to Mr. Swertfeger and the string of emails associated with it. Thank you very much for your assistance in this matter. Please let me know if you have any questions.

Sue Warner

Chemist

Office of Analytical Services and Quality Assurance

U.S. Environmental Protection Agency
Environmental Science Center
701 Mapes Road
Ft. Meade, MD 20755-5350
(410) 305-2658
Fax(410) 305-3096

From: Warner, Sue
Sent: Friday, March 28, 2014 1:05 PM
To: 'Jeff.Swertfeger@gcww.cincinnati-oh.gov'
Cc: Caporale, Cynthia
Subject: Charleston, WV Drinking Water Samples- TIC Reports and Possible Degradation Products

Mr. Swertfeger,

I am following up on the original data request from 2/28/14. Do you have any tentatively identified compound (TIC) reports run using the NIST or similar library for any Charleston, WV drinking water samples taken around the time of the original spill? You don't have to assess or review the data. You can send it to us and we will review the TIC data. Thank you very much for your assistance in this matter. Please let me know if you have any questions.

Sue Warner

Chemist

Office of Analytical Services and Quality Assurance

U.S. Environmental Protection Agency
Environmental Science Center
701 Mapes Road
Ft. Meade, MD 20755-5350
(410) 305-2658
Fax(410) 305-3096

From: Swertfeger, Jeff [mailto:Jeff.Swertfeger@gcww.cincinnati-oh.gov]
Sent: Friday, February 28, 2014 4:20 PM
To: Caporale, Cynthia

Cc: Warner, Sue
Subject: RE: Degradation Products

Sure, we can share what we have. We did not identify any by-product compounds though, we just saw the MCHM decrease pretty rapidly in our unpreserved samples.

If you want to talk, let us know a few times next week when you are available and we will let you know what works for us.

From: Caporale, Cynthia [mailto:Caporale.Cynthia@epa.gov]
Sent: Friday, February 28, 2014 11:25 AM
To: Swertfeger, Jeff
Cc: Warner, Sue
Subject: Degradation Products

Mr. Swertfeger,

I was given your name from Elizabeth Hedrick, EPA Water Security Division, and she informed me that you had some information on the degradation products being observed in some of the Charleston, WV Drinking Water samples. We are trying to obtain some of that information, as well, so if you are willing to share the "TIC" report please let me know.

Thanks,
Cindy

Cynthia Caporale, Chief
OASQA Laboratory Branch
U.S. EPA Region III
Environmental Science Center
Fort Meade, MD
(410) 305-2732
Fax: (410) 305-3095